

injecting a thermosetting resin into the mold to coat the thermoplastic resin at the surface thereof with the thermosetting resin;

supplying a heating medium into the channel(A) to cure the thermosetting resin; and
supplying a cooling medium into the channel(A) to cool the thermoplastic resin.

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29. An apparatus for adjusting a temperature of the synthetic resin molding mold according to claim 1, wherein an inlet switching valve(Sa, Wa, Aa, Sb, Wb, Ab) and an outlet switching valve(Ds4, Ds5, WRa, WRb) are provided for selecting the supply of a heating medium and a cooling medium at an upstream inlet and a downstream outlet of the channel(A), and at least one exhaust valve(Ds2,Ds3,) for discharging the heating medium, cooling medium and a gas is provided in the flow passage at a portion between the inlet switching valve(Sa, Wa, Aa, Sb, Wb, Ab) and the outlet switching valve(Ds4, Ds5, WRa, WRb).

30. The apparatus according to claim 29, wherein at least one inlet valve through which a purging gas is supplied is provided in the fluid passage at the portion between the inlet switching valve(Sa, Wa, Aa, Sb, Wb, Ab) and the outlet switching valve(Ds4, Ds5, WRa, WRb).

A
31. The apparatus according to claim 29, wherein a check valve(c) is provided on the downstream side of the inlet switching valve(Sa, Sb) for the heating medium.

32. A method of adjusting a temperature of the synthetic resin molding mold according to claim 1, the method comprising a step of supplying a heating medium and a cooling medium into the channel(A) alternately and repeatedly so as to heat and cool the surface(4) of the cavity(3), wherein when the medium supply is changed from the cooling medium to the heating medium, at least one of the exhaust valves(Ds2,Ds3) provided on the upstream side and the downstream side of the channel(A) is opened and the cooling medium left within the channel is discharged by a gas or the heating medium.

33. The method according to claim 32, wherein when the medium supply is changed from the heating medium to the cooling medium, a purging gas is supplied into the channel.

34. The method according to claim 32, wherein the supply of the heating medium starts at a timing point between the opening of the mold to the ejection of a molded product.

35. The method according to claim 34, wherein the mold is not closed until a predetermined time period has elapsed after the heating medium supply is started.

36. The method according to claim 34, wherein the mold is not closed until the heating medium is supplied to heat a surface(4) of the cavity(3) or complete the heating of the surface(4) of the cavity(3) up to a predetermined temperature.